Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A machine life indicating system, comprising:

means for receiving historical data, the historical data providing an indication of the operating lifetime of major components within machines of a particular type;

means for calculating the life remaining in a machine using, at least in part, the historical data and the load factor rating and rotational speed of the machine; and

means for displaying the life remaining in the machine.

Claim 2 (original): The system of claim 1, further comprising means for receiving environmental data pertaining to the environment in which the machine operates, and wherein the means for calculating the life remaining further comprises means for calculating the life remaining in the machine using, at least in part, the environmental data.

Claim 3 (currently amended): The system of claim 2~~1~~, ~~further comprising means for receiving operator input data relating to the operation of the machine, and~~ wherein the ~~means for calculating the life remaining further comprises means for calculating the life remaining in the machine using, at least in part, the~~ operator input data comprises the age of the machine stator or bearing.

Claim 4 (currently amended): The system of claim 2~~1~~, wherein the ~~means for calculating the life remaining in the machine comprise means for calculating the life remaining in the machine using probability distribution functions~~ operator input data comprises machine information selected from the group of machine information consisting of: average stator operating temperature, number of daily machine starts, number of daily machine stops, rolling element load, rolling element rotations per minute, rolling element type, rolling element diameter, oil temperature, oil age, oil type, the number of daily run-hours, and machine vibration levels.

Claim 5 (currently amended): The system of claim 2~~1~~, wherein the means for calculating the life remaining in the machine uses ~~using~~ probability distribution functions and comprises means for calculating the life remaining in the machine using probability distribution functions for individual components within the machine.

Claim 6 (original): The system of claim 5, wherein the machine is an electric motor and the individual components comprise components selected from the group consisting of a stator and a bearing.

Claim 7 (currently amended): The system of claim 2~~1~~, wherein the machine is selected from the group of machines consisting of a transformer, a wind turbine, and a generator.

Claim 8 (currently amended): The system of claim 2~~1~~, wherein the means for receiving historical data is operable to receive the historical data from a device other than the machine.

Claim 9 (currently amended): The system of claim 2~~1~~, wherein the means for receiving historical data is operable to receive the historical data in batch form such that the historical data is not continuously or intermittently received by the means for receiving.

Claims 10-12 (canceled)

Claim 13 (currently amended): A machine life indicating system, comprising:

means for receiving operator input data, the operator input data providing information specific to the operation history of a machine;

means for calculating the life remaining in the machine using, at least in part, the operator input data and the load factor rating and rotational speed of the machine; and

means for displaying the life remaining in the machine.

Claim 14 (currently amended): The system of claim 13, ~~further comprising means for receiving environmental data pertaining to an environment in which the machine operates, and~~

~~wherein the means for calculating the life remaining further comprises means for calculating the life remaining in the machine using, at least in part, the environmental data~~ wherein the means for calculating the life remaining in the machine comprises means for calculating the life remaining in the machine based at least in part on .

Claim 15 (canceled)

Claim 16 (currently amended): A machine life indicating system, comprising:

means for receiving operator input data, the operator input data providing information specific to the operation history of a machine;

means for calculating the life remaining in the machine using, at least in part, the operator input data ~~The system of claim 13~~, wherein the means for calculating the life remaining in the machine comprises means for calculating the life remaining in the machine using an L_{10} life calculation; and

means for displaying the life remaining in the machine.

Claim 17 (currently amended): A machine life indicating system, comprising:

means for receiving operator input data, the operator input data providing information specific to the operation history of a machine;

means for calculating the life remaining in the machine using, at least in part, the operator input data ~~The system of claim 13~~, wherein the means for calculating the life remaining in the machine comprises means for calculating the life remaining in the machine based at least in part on the insulation class of the machine; and

means for displaying the life remaining in the machine.

Claim 18 (currently amended): A machine life indicating system, comprising:

means for receiving operator input data, the operator input data providing information specific to the operation history of a machine;

means for calculating the life remaining in the machine using, at least in part, the operator input data ~~The system of claim 13~~, wherein the means for calculating the life remaining in the machine comprises means for calculating the life remaining in the machine based at least in part

on a insulation resistance test class of the machine; and

means for displaying the life remaining in the machine.

Claim 19 (original): The system of claim 13, wherein the means for calculating the life remaining in the machine using probability distribution functions comprises means for calculating the life remaining in the machine using probability distribution functions for individual components within the machine.

Claim 20 (original): The system of claim 13, wherein the machine is selected from the group of machines consisting of a transformer, a wind turbine, an electric motor, and a generator.

Claim 21 (original): The system of claim 13, wherein the means for receiving operator input data is operable to receive the operator input data such that the operator input data is not continuously received by the means for receiving.

Claim 22 (original): The system of claim 13, wherein the machine is within a class of machines defined by the machines of the particular type.

Claim 23 (original): The system of claim 13, wherein the means for calculating the life remaining in a machine comprises means for calculating the life remaining in the machine based on the life remaining in at least one component within the machine.

Claims 24- 35 (canceled)

Claim 36 (currently amended): A method for calculating the life remaining in a machine, comprising:

receiving operator input data, the operator input data providing information specific to the operation history of a machine;

calculating the life remaining in the machine using, at least in part, the operator input data ~~The method of claim 33,~~ wherein calculating the life remaining in the machine comprises calculating the life remaining in the machine using an L_{10} life calculation; and

displaying the life remaining in the machine.

Claim 37 (currently amended): A method for calculating the life remaining in a machine, comprising:

receiving operator input data, the operator input data providing information specific to the operation history of a machine;

calculating the life remaining in the machine using, at least in part, the operator input data ~~The method of claim 33,~~ wherein calculating the life remaining in the machine comprises calculating the life remaining in the machine based at least in part on the insulation class of the machine; and

displaying the life remaining in the machine.

Claim 38 (currently amended): A method for calculating the life remaining in a machine, comprising:

receiving operator input data, the operator input data providing information specific to the operation history of a machine;

calculating the life remaining in the machine using, at least in part, the operator input data ~~The method of claim 33,~~ wherein calculating the life remaining in the machine comprises calculating the life remaining in the machine based at least in part on a insulation resistance test class of the machine; and

displaying the life remaining in the machine.

Claim 39 (currently amended): The method of claim ~~3336~~, wherein calculating the life remaining in the machine using probability distribution functions comprises calculating the life remaining in the machine using probability distribution functions for individual components within the machine.

Claim 40 (currently amended): The method of claim ~~3336~~, wherein the machine is selected from the group of machines consisting of a transformer, a wind turbine, an electric motor, and a generator.

Claim 41 (currently amended): The method of claim ~~3336~~, wherein receiving operator input data comprises receiving operator input data such that the operator input data is not continuously received.

Claims 42-56 (canceled)

Claim 57 (currently amended): A machine life indicating system, comprising:

an assessment tool operable to receive operator input data, the operator input data providing information specific to the operation history of a machine~~The system of claim 53~~, wherein the assessment tool is operable to calculate the life remaining in the machine using an L_{10} life calculation;

an analysis application, in communication with the assessment tool, the analysis application operable to calculate the life remaining in the machine using, at least in part, the operator input data; and

a display for displaying the life remaining in the machine.

Claim 58 (currently amended): A machine life indicating system, comprising:

an assessment tool operable to receive operator input data, the operator input data providing information specific to the operation history of a machine~~The system of claim 53~~, wherein the assessment tool is operable to calculate the life remaining in the machine based at least in part on the insulation class of the machine;

an analysis application, in communication with the assessment tool, the analysis application operable to calculate the life remaining in the machine using, at least in part, the operator input data; and

a display for displaying the life remaining in the machine.

Claim 59 (currently amended): A machine life indicating system, comprising:

an assessment tool operable to receive operator input data, the operator input data providing information specific to the operation history of a machine~~The system of claim 53~~, wherein the assessment tool is operable to calculate the life remaining in the machine based at least in part on a insulation resistance test class of the machine;

an analysis application, in communication with the assessment tool, the analysis application operable to calculate the life remaining in the machine using, at least in part, the operator input data; and

a display for displaying the life remaining in the machine.

Claims 60-64 (canceled)